

Missouri Census Update



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Commuting pattern data released

The Census Bureau released county-to-county work flow files from Census 2000 during the spring of 2003. The files show the county where people who were in the labor force in 2000 worked along with where they resided.

This information makes it possible to assess the number of people who reside in one county, but work in another county or state. The information is valuable in many ways, including transportation planning and

analysis. It is also particularly interesting to prospective business owners who may factor work flow information into market analysis, an estimate of daytime population, and assessment of workforce potential.

Missouri county-to-county workflow files and a link to this data for the entire nation are posted on the Missouri Census Data Center website at: <http://mcdc2.missouri.edu/data/workflow/reports>.

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Reside in Christian County and work in:

Greene County	15,188
Christian County	9,777
Taney County	798
Webster County	302
Stone County	241
Lawrence County	168
Barry County	117
Other Missouri counties	458
An Arkansas county	47
Counties in states other than MO & AR	325

Total work trips 27,421

Track county-to-county migration with new release from Census 2000

A question on the Census 2000 long-form question that asked respondents about residence five years ago makes it possible to compile statistics showing the number of people who moved between counties from 1995 and 2000. County-to-county migration files (both Excel and text formats) were recently released by the Census Bureau and can be accessed

and downloaded from the Census Bureau's website at: <http://www.census.gov/population/www/cen2000/ctytoc-tyflow.html>.

In the file, "current county of residence" is based on where the person was living on April 1, 2000, Census Day. "Previous county of residence" is based on where the person was living five years earlier.

Data from Census 2000 for radius areas now available online

New Web tool from Missouri Census Data Center

The Missouri Census Data Center Program has developed a new Web application called Circular Area Profiles (CAPS) to allow Web users to enter longitude and latitude coordinates and receive an online radius report. A link to the Census Bureau's gazetteer is posted along with the Web tool, so users can easily find the longitude and latitude center points for towns, counties, ZIP code areas, and some other geographies.

*Circular Area Profiles
(CAPS) provides
information about a
variety of
demographic areas
from Census 2000*

CAPS provides information about a variety of demographic areas from Census 2000 in the circular area, not just population totals. The number of people by educational attainment, the number of people in poverty, and the number of housing units by the age of the structure are three examples of data available for radius areas.

Why the radius tool is possible now

"We've been talking about creating this application on the Web for quite a while," said John Blodgett, MCDC's programmer who works in the Office of Social and Economic Data Analysis

at the University of Missouri and developed the CAPS application. "We've been doing ad hoc variations of this on a cost-recovery basis for more than 20 years. But several improvements combined to make the free Web tool a reality—a faster machine to handle calculations, code changes so each job can be done without having to perform as many calculations, and a way for the program to determine a location from longitude and latitude coordinates."

How the program works

The program approximates the circular area by adding together all block groups or minor civil divisions with a center point that falls within the circle. The results can be somewhat crude for small radius values. What a "small" value is depends on the density of the population area—the average size of a block group in downtown Kansas City is much smaller than one in the middle of the Mark Twain National Forest. Therefore, a one-mile radius makes some sense in the downtown area, but may not in the forest.

"Users should note that we only have block group data available for five states, and we have to use minor civil division (MCD) or town data for the rest of the country," said Blodgett. "Because MCDs tend to be much larger than block groups, you really cannot do reliable small radius areas outside the five states of Missouri, Illinois, Kansas, Michigan, and Minnesota."

CAPS is available online at: <http://mcdc2.missouri.edu/websas/caps.html>. For additional information or assistance, contact John Blodgett at 573-884-2727 or blodgettj@umsystem.edu.

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For more information about the newsletter or the Missouri Census Data Center, contact the MCDC Coordinator, Missouri State Library, P.O. Box 387, Jefferson City, Missouri 65102-0387; tel: 573-526-7648; <http://mcdc.missouri.edu>

Matt Blunt
Secretary of State

Sara Parker
State Librarian

Madeline Matson
Editor

Debbie Pitts
Consultant

Graphic design by
Desert Digital Graphics

Note: The Census Bureau plans to release the Equal Employment Opportunity (EEO) file from Census 2000 sometime in December 2003. Check news releases posted at <http://www.census.gov> for additional information in December.

2002 population estimates for towns and counties

July 1, 2000, 2001, and 2002 county and subcounty (municipality) population estimates can be found alongside the April 1, 2000 census count on the Missouri Census Data Center website at <http://mcdc.missouri.edu/trends/estimates.html>.

The Federal-State Cooperative Program for Population Estimates (FSCPE) works in conjunction with the Census Bureau to produce population estimates between decennial censuses. State demographer Ryan

Burson is Missouri's FSCPE representative. Maps he prepared—showing population change for Missouri municipalities between 2000 and 2002—are also posted at: <http://mcdc.missouri.edu/trends/estimates.html>. You can contact Burson at 573-751-2345 or burson1@mail.oa.state.mo.us if you have questions or need additional information about the new estimates.

Note: The 2002 estimates for towns include corrections made to the Census 2000 under the Census Bureau's

Count Question Resolution Program through May 2002. If a city received notification of an official correction after that time, the corrected number was not used in this round of estimates, but will be included in the 2003 estimates next year. Likewise, annexations prior to January 2002 are reflected in the 2002 estimates; those since that time will be included in the 2003 estimates. See: <http://mcdc.missouri.edu/census2000/2000cqrpop.xls> on the Missouri Census Data Center website for town corrections as of the end of June 2003.

Missouri sidenote: A prison in Cameron, Missouri was missed in the 2000 count. The addition of 1,476 people to the group quarters count in that city is not reflected in these estimates. The Census 2000 total population count for Cameron has been corrected from 8,312 to 9,788 and will be shown in next round of population estimates.

Size rank within the state	Missouri municipality	July 1, 2002 Population
1	Kansas City	443,471
2	St. Louis	338,353
3	Springfield	151,010
4	Independence	113,027
5	Columbia	86,981
6	Lee's Summit	74,948
7	St. Joseph	73,148
8	St. Charles	60,755
9	O'Fallon	59,678
10	St. Peters	53,596
11	Florissant	49,976
12	Blue Springs	49,451
13	Chesterfield	47,126
14	Joplin	46,187
15	Jefferson City	39,079
16	University City	37,851
17	Cape Girardeau	35,665
18	Wildwood	33,870
19	Ballwin	31,265
20	Raytown	30,060
21	Liberty	27,532
22	Kirkwood	27,425
23	Gladstone	26,778
24	Hazelwood	26,042
25	Maryland Heights	25,782

One-third work in managerial or professional jobs

According to a new report from the Census Bureau, approximately one-third (33.6 percent) of the nation's civilian workers were employed in management, professional, and related jobs in the year 2000. Sales and office jobs accounted for another 26.7 percent of occupations.

A brief, analyzing the occupations of the nearly 130 million civilian workers age 16 and older and showing occupational data by gender, race, Hispanic origin and industry, is available at: <http://www.census.gov/prod/2003pubs/c2kbr-25.pdf>.

New metropolitan statistical areas announced

Capital city added to make seven MSAs in Missouri

In June 2003, the Office of Management and Budget (OMB) announced new metropolitan statistical areas in the United States

and Puerto Rico. A total of 49 new metropolitan statistical areas—including Jefferson City, Missouri—brought the total to 370. Under

new definitions, additional counties were added to other metropolitan areas in the state.

Population by Missouri metropolitan statistical areas: June 2003

Source: U.S. Census Bureau

State where primary city located	Missouri metropolitan statistical areas—MSAs (as of new Office of Budget & Management definitions / June 2003)	Census 2000 Population (April 1, 2000)	2002 Population Estimate (July 1, 2002)	Change: 2000-2002	Percent Change: 2000-2002
Missouri	Columbia, MO metropolitan statistical area	145,666	149,496	3,830	2.6%
	Boone County, Missouri	135,454	139,492	4,038	3.0%
	*Howard County, Missouri (<i>added in 2003</i>)	10,212	10,004	-208	-2.0%
Missouri	*Jefferson City, MO metropolitan statistical area (<i>added 2003</i>)	140,046	142,167	2,121	1.5%
	Callaway County, Missouri	40,766	42,210	1,444	3.5%
	Cole County, Missouri	71,391	71,894	503	0.7%
	Moniteau County, Missouri	14,827	15,023	196	1.3%
	Osage County, Missouri	13,062	13,040	-22	-0.2%
Missouri	Joplin, MO metropolitan statistical area	157,322	160,203	2,881	1.8%
	Jasper County, Missouri	104,686	107,073	2,387	2.3%
	Newton County, Missouri	52,636	53,130	494	0.9%
Missouri	Kansas City, MO-KS metropolitan statistical area	1,836,038	1,889,315	53,277	2.9%
	*Bates County, Missouri (<i>added in 2003</i>)	16,653	16,976	323	1.9%
	*Caldwell County, Missouri (<i>added in 2003</i>)	8,969	9,096	127	1.4%
	Cass County, Missouri	82,092	87,310	5,218	6.4%
	Clay County, Missouri	184,006	191,381	7,375	4.0%
	Clinton County, Missouri	18,979	19,632	653	3.4%
	Jackson County, Missouri	654,880	660,773	5,893	0.9%
	Lafayette County, Missouri	32,960	33,125	165	0.5%
	Platte County, Missouri	73,781	77,655	3,874	5.3%
	Ray County, Missouri	23,354	23,811	457	2.0%
	*Franklin County, Kansas (<i>added 2003</i>)	24,784	25,322	538	2.2%
	Johnson County, Kansas	451,086	476,536	25,450	5.6%
	Leavenworth County, Kansas	68,691	70,789	2,098	3.1%
	*Linn County, Kansas (<i>added 2003</i>)	9,570	9,674	104	1.1%

State where primary city located	Missouri metropolitan statistical areas—MSAs (as of new Office of Budget & Management definitions / June 2003)	Census 2000 Population (April 1, 2000)	2002 Population Estimate (July 1, 2002)	Change: 2000-20002	Percent Change: 2000-2002
	Miami County, Kansas	28,351	28,904	553	2.0%
	Wyandotte County, Kansas	157,882	158,331	449	0.3%
Missouri	St. Joseph, MO metropolitan statistical area	122,336	123,308	972	0.8%
	Andrew County, Missouri	16,492	16,751	259	1.6%
	Buchanan County, Missouri	85,998	85,313	-685	-0.8%
	DeKalb County, Missouri* (Census 2000 correction: + 1,476)	13,073	13,029	-44	-0.3%
	*Doniphan County, Kansas (added in 2003)	8,249	8,215	-34	-0.4%
Missouri	St. Louis, MO-IL metropolitan statistical area	2,698,685	2,729,045	30,360	1.1%
	Franklin County, Missouri	93,807	95,890	2,083	2.2%
	Jefferson County, Missouri	198,099	203,993	5,894	3.0%
	Lincoln County, Missouri	38,944	42,280	3,336	8.6%
	St. Charles County, Missouri	283,883	303,030	19,147	6.7%
	St. Louis County, Missouri	1,016,315	1,018,102	1,787	0.2%
	Warren County, Missouri	24,525	26,193	1,668	6.8%
	*Washington County, Missouri (added in 2003)	23,344	23,503	159	0.7%
	St. Louis City, Missouri	348,189	338,353	-9,836	-2.8%
	*Bond County, Illinois (added in 2003)	17,633	17,929	296	1.7%
	*Calhoun County, Illinois (added in 2003)	5,084	5,052	-32	-0.6%
	Clinton County, Illinois	35,535	35,855	320	0.9%
	Jersey County, Illinois	21,668	21,858	190	0.9%
	*Macoupin County, Illinois (added in 2003)	49,019	48,636	-383	-0.8%
	Madison County, Illinois	258,941	261,409	2,468	1.0%
	Monroe County, Illinois	27,617	29,058	1,441	5.2%
	St. Clair County, Illinois	256,082	257,904	1,822	0.7%
Missouri	Springfield, MO metropolitan statistical area	368,374	378,727	10,353	2.8%
	Christian County, Missouri	54,285	59,117	4,832	8.9%
	*Dallas County, Missouri (added in 2003)	15,661	15,874	213	1.4%
	Greene County, Missouri	240,391	243,355	2,964	1.2%
	*Polk County, Missouri (added in 2003)	26,992	27,710	718	2.7%
	Webster County, Missouri	31,045	32,671	1,626	5.2%
Arkansas	Fayetteville-Springdale-Rogers AR-MO metropolitan statistical area	347,045	368,043	20,998	6.1%
	*McDonald County, Missouri (added in 2003)	21,681	21,687	6	0.0%
	Benton County, Arkansas	153,406	165,500	12,094	7.9%
	*Madison County, Arkansas (added in 2003)	14,243	14,345	102	0.7%
	Washington County, Arkansas	157,715	166,511	8,796	5.6%

Missouri county populations and components of change: April 1, 2000 to July 1, 2002

	July 1, 2002 Estimate	April 1, 2000 Census ^a	Total Change	Percent Change	Components of Change		
					Births	Deaths	Net Migration ^b
Missouri	5,674,055	5,596,687	77,368	1.4%	169,965	123,559	30,962
Adair County	24,946	24,977	-31	-0.1%	506	446	-91
Andrew County	16,751	16,492	259	1.6%	405	353	207
Atchison County	6,323	6,430	-107	-1.7%	138	205	-40
Audrain County	25,639	25,853	-214	-0.8%	812	684	-342
Barry County	34,527	34,010	517	1.5%	1,002	698	213
Barton County	12,862	12,541	321	2.6%	369	308	260
Bates County	16,976	16,653	323	1.9%	546	517	294
Benton County	17,583	17,180	403	2.3%	330	538	611
Bollinger County	12,248	12,029	219	1.8%	313	298	204
Boone County	139,492	135,454	4,038	3.0%	3,999	1,907	1,946
Buchanan County	85,313	85,998	-685	-0.8%	2,549	2,143	-1,091
Butler County	40,764	40,867	-103	-0.3%	1,203	1,115	-191
Caldwell County	9,096	8,969	127	1.4%	319	191	-1
Callaway County	42,210	40,766	1,444	3.5%	1,074	792	1,162
Camden County	37,857	37,051	806	2.2%	793	870	883
Cape Girardeau County	69,511	68,693	818	1.2%	1,931	1,524	411
Carroll County	10,263	10,285	-22	-0.2%	304	252	-74
Carter County	5,860	5,941	-81	-1.4%	138	232	13
Cass County	87,310	82,092	5,218	6.4%	2,413	1,599	4,404
Cedar County	13,825	13,733	92	0.7%	348	384	128
Chariton County	8,197	8,438	-241	-2.9%	140	334	-47
Christian County	59,117	54,285	4,832	8.9%	1,841	1,014	4,005
Clark County	7,432	7,416	16	0.2%	145	188	59
Clay County	191,381	184,006	7,375	4.0%	6,059	3,143	4,459
Clinton County	19,632	18,979	653	3.4%	611	619	661
Cole County	71,894	71,397	497	0.7%	1,936	1,347	-92
Cooper County	17,007	16,670	337	2.0%	400	419	356
Crawford County	23,173	22,804	369	1.6%	608	571	332
Dade County	7,877	7,923	-46	-0.6%	197	284	41
Dallas County	15,874	15,661	213	1.4%	464	403	152
Daviess County	8,030	8,016	14	0.2%	278	157	-107
DeKalb County	13,029	13,073	-44	-0.3%	223	239	-28
Dent County	14,922	14,927	-5	0.0%	421	441	15
Douglas County	13,330	13,084	246	1.9%	243	329	332
Dunklin County	32,805	33,155	-350	-1.1%	1,076	1,157	-269
Franklin County	95,890	93,807	2,083	2.2%	2,632	1,790	1,241
Gasconade County	15,461	15,342	119	0.8%	372	448	195
Gentry County	6,607	6,861	-254	-3.7%	116	281	-89
Greene County	243,355	240,391	2,964	1.2%	6,753	5,398	1,609
Grundy County	10,213	10,432	-219	-2.1%	299	317	-201
Harrison County	8,785	8,850	-65	-0.7%	202	312	45
Henry County	22,250	21,997	253	1.2%	780	738	211
Hickory County	8,909	8,940	-31	-0.3%	165	244	48
Holt County	5,136	5,351	-215	-4.0%	95	148	-162
Howard County	10,004	10,212	-208	-2.0%	254	256	-206
Howell County	37,280	37,238	42	0.1%	1,024	992	10
Iron County	10,381	10,697	-316	-3.0%	207	379	-144
Jackson County	660,773	654,880	5,893	0.9%	23,262	13,501	-3,868
Jasper County	107,073	104,686	2,387	2.3%	3,734	2,348	1,001
Jefferson County	203,993	198,099	5,894	3.0%	6,088	3,289	3,095
Johnson County	49,779	48,258	1,521	3.2%	1,574	714	661
Knox County	4,285	4,361	-76	-1.7%	102	129	-49
Laclede County	32,757	32,513	244	0.8%	896	841	189
Lafayette County	33,125	32,960	165	0.5%	954	805	16
Lawrence County	36,082	35,204	878	2.5%	1,047	968	799

^a Corrected ^b Includes domestic and international net migration, net federal citizen movement, and a small residual.

Source: Federal-State Cooperative Program for Population Estimates, April 2003.

	July 1, 2002 Estimate	April 1, 2000 Census ^a	Total Change	Percent Change	Components of Change		
					Births	Deaths	Net Migration ^b
Lewis County	10,384	10,494	-110	-1.0%	294	289	-115
Lincoln County	42,280	38,944	3,336	8.6%	1,143	636	2,829
Linn County	13,515	13,754	-239	-1.7%	392	424	-207
Livingston County	14,283	14,558	-275	-1.9%	285	447	-113
McDonald County	21,687	21,681	6	0.0%	710	413	-291
Macon County	15,497	15,762	-265	-1.7%	460	508	-217
Madison County	11,807	11,800	7	0.1%	330	383	60
Marion County	8,700	8,903	-203	-2.3%	183	244	-142
Marion County	28,079	28,289	-210	-0.7%	926	685	-451
Mercer County	3,669	3,757	-88	-2.3%	74	112	-50
Miller County	24,176	23,564	612	2.6%	695	672	589
Mississippi County	13,966	13,427	539	4.0%	468	429	500
Moniteau County	15,023	14,827	196	1.3%	437	330	89
Monroe County	9,262	9,311	-49	-0.5%	208	365	108
Montgomery County	12,063	12,136	-73	-0.6%	323	369	-27
Morgan County	19,593	19,309	284	1.5%	488	656	452
New Madrid County	19,138	19,760	-622	-3.1%	488	555	-555
Newton County	53,130	52,636	494	0.9%	1,534	1,307	267
Nodaway County	21,651	21,912	-261	-1.2%	410	458	-213
Oregon County	10,265	10,344	-79	-0.8%	208	289	2
Osage County	13,040	13,062	-22	-0.2%	322	288	-56
Ozark County	9,397	9,542	-145	-1.5%	187	401	69
Pemiscot County	19,849	20,047	-198	-1.0%	866	505	-559
Perry County	18,274	18,132	142	0.8%	641	495	-4
Pettis County	39,542	39,403	139	0.4%	1,233	905	-189
Phelps County	40,932	39,825	1,107	2.8%	874	945	1,178
Pike County	18,389	18,351	38	0.2%	439	391	-10
Platte County	77,655	73,781	3,874	5.3%	2,245	1,085	2,714
Polk County	27,710	26,992	718	2.7%	895	545	368
Pulaski County	43,263	41,165	2,098	5.1%	1,326	572	1,344
Putnam County	5,208	5,223	-15	-0.3%	138	121	-32
Ralls County	9,584	9,626	-42	-0.4%	206	208	-40
Randolph County	24,699	24,663	36	0.1%	746	664	-46
Ray County	23,811	23,354	457	2.0%	671	493	279
Reynolds County	6,629	6,689	-60	-0.9%	173	148	-85
Ripley County	13,399	13,509	-110	-0.8%	260	390	20
St. Charles County	303,030	283,883	19,147	6.7%	9,226	3,647	13,568
St. Clair County	9,663	9,652	11	0.1%	201	280	90
Ste. Genevieve County	18,104	17,842	262	1.5%	433	329	158
St. Francois County	56,775	55,641	1,134	2.0%	1,596	1,620	1,158
St. Louis County	1,018,102	1,016,315	1,787	0.2%	29,369	21,849	-5,733
Saline County	23,018	23,756	-738	-3.1%	569	710	-597
Schuyler County	4,211	4,170	41	1.0%	106	139	74
Scotland County	4,868	4,983	-115	-2.3%	138	199	-54
Scott County	40,279	40,422	-143	-0.4%	1,190	1,090	-243
Shannon County	8,382	8,324	58	0.7%	220	192	30
Shelby County	6,681	6,799	-118	-1.7%	166	206	-78
Stoddard County	29,828	29,705	123	0.4%	745	831	209
Stone County	29,381	28,658	723	2.5%	664	671	730
Sullivan County	7,315	7,219	96	1.3%	241	225	80
Taney County	40,601	39,703	898	2.3%	1,176	953	675
Texas County	24,625	23,003	1,622	7.1%	623	594	1,593
Vernon County	20,274	20,454	-180	-0.9%	652	665	-167
Warren County	26,193	24,525	1,668	6.8%	812	437	1,293
Washington County	23,503	23,344	159	0.7%	631	506	34
Wayne County	13,122	13,259	-137	-1.0%	308	371	-74
Webster County	32,671	31,045	1,626	5.2%	1,136	598	1,088
Worth County	2,298	2,382	-84	-3.5%	47	57	-74
Wright County	18,035	17,955	80	0.4%	488	541	133
St. Louis City	338,353	348,189	-9,836	-2.8%	13,260	9,523	-13,573

Missouri Census Update

Secretary of State Matt Blunt
Missouri State Library

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Census mapping: TIGER update

By Craig Best, Kansas City Regional Office of the Census Bureau

In preparation for the 1990 Census, the Census Bureau developed the Topologically Integrated Geographic Encoding and Referencing (TIGER) system. TIGER is a seamless geographic database containing roads, railroads, rivers, creeks, lakes, census geography (census tracts, block groups, blocks, etc.), and the boundaries of counties, cities, and townships in all states and US territories. TIGER is used to produce maps for census enumerators, maps for local government officials to check for accurate boundary lines, and as the basis for tabulating census data.

In preparation for the 2000 Census, the Census Bureau developed the Master Address File (MAF) as a continuously maintained list of addresses and housing unit locations.

So, what are the Census Bureau's geography plans for Census 2010? How does a more accurate TIGER file sound for starters? How about improved opportunities to use Census data with your local GIS? How about more opportunities for local, state, and tribal governments to participate

in Census programs electronically? These are the plans for the Census Bureau's MAF/TIGER Enhancements Program.

The Census Bureau's MAF/TIGER Enhancements Program seeks to achieve a high level of map coordinate accuracy in TIGER by acquiring and using digital files prepared and provided by state and local governments. The Census Bureau will require its contractors to use files that meet or exceed the street centerline spatial accuracy requirement of 7.6 meters as part of the MAF/TIGER Accuracy Improvement Project. If the Census Bureau is unable to locate an adequate GIS file, the contractor will hit the streets with a specialized field data collection vehicle to collect GPS data in the field that will be used make TIGER more accurate. The process of creating a more positionally accurate TIGER has already been implemented and will continue nationwide through 2008.

Once the TIGER file for an area matches the local file, it will be much

easier for a government to submit new roads, road name changes, and boundary changes, making it easier for local governments to participate in future Census Bureau geographic programs. The Census Bureau currently maintains an inventory of geographic files that are available and will contact local governments for updates on a periodic basis. If you have knowledge of a local file that might improve TIGER, please contact Craig Best at the Census Bureau's Kansas City Regional Office at *cbest@census.gov*

Additional information about the MAF/TIGER Enhancements Program can be obtained at <http://www.census.gov/geo/mod/partner.html>.

In addition, the Census Bureau still conducts the annual Boundary and Annexation Survey. All cities over 5,000 people and all counties receive the annual survey to document any boundary changes. As we get closer to Census 2010, the annual Boundary and Annexation Survey will be mailed to all functioning cities and counties, regardless of their size.